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EXAMINER

DUONG, THOMAS

ART UNIT	PAPER NUMBER
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2145

MAIL DATE	DELIVERY MODE
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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 09/967,010	Applicant(s) KOJIMA ET AL.	
	Examiner Thomas Duong	Art Unit 2145	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 February 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 12-22 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 12-22 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>3/27/07</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

1. This office action is in response to the applicants Amendment filed on February 28, 2007. Applicant amended *claims 12-15 and 21-22*. *Claims 11-22* are presented for further consideration and examination.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.
3. *Claims 12-22* are rejected under 35 U.S.C. 103(a) as being unpatentable over Lowery et al. (US005894554A) and in view of Nielsen (US006006046A).
4. With regard to *claims 12-15 and 22*, Lowery discloses,
 - *preparing user interface information including server definition information defining a plurality of servers for providing user interface information regarding multiple user interfaces to the client;* (Lowery, col.2, lines 15-34; col.5, lines 39-47; col.6, lines 32-48)Lowery discloses, *"one embodiment of the claimed invention also provides a Web page designer with HTML extensions, or 'dyna' tags. These dyna tags*

provide customized HTML functionality to a Web page designer, to allow the designer to build customized HTML templates that specify the source and placement of retrieved data. For example, in one embodiment, a 'dynatext' HTML extension tag specifies a data source and a column name to allow the HTML template to identify the data source to log into and the column name from which to retrieve data. Alternatively, 'dyna-anchor' tags allow the designer to build hyperlink queries while 'dynablock' tags provide the designer with the ability to iterate through blocks of data" (Lowery, col.6, lines 32-44). Hence, Lowery teaches of providing extension tags to build HTML templates specifying the retrieval source, the data to be retrieved, and as well as specifying the placement of the retrieved data.

- *upon a request from the client that specifies an integrated page, requesting information from each of the servers providing the user interface information in accordance with configuration page data that specifies pages to be fetched for the integrated page;* (Lowery, col.3, line 64 – col.4, line 1; col.5, lines 37-47)
Lowery discloses, *"the page server receiving the request and releasing the Web server to process other requests, processing the request, the processing being performed by the page server concurrently with the Web server, as the Web server processes the other requests, and dynamically generating a Web page in response to the request, the Web page including data dynamically retrieved from one or more data sources"* (Lowery, col.2, lines 24-31). Hence, Lowery teaches of the page server receiving and processing the request from the web client 200 (i.e., Applicants' client) for a Web page that includes dynamically retrieved data from one or more data sources (i.e., Applicants' integrated page). Lowery

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discloses, *"it processes the request and retrieves the data from an appropriate data source, such as data source 406, data source 408, or data source 410. Data sources, as used in the present application, include databases, spreadsheets, files and any other repository. Page server 404 can retrieve data from more than one data source and incorporate the data from these multiple data sources in a single Web page"* (Lowery, col.5, lines 40-47). Hence, Lowery teaches of the page server retrieving the appropriate data from multiple sources including databases, spreadsheets, files and any other type of data repository (i.e., Applicants' information in accordance with configuration page data that specifies pages to be fetched) and incorporating the retrieved data from these multiple data sources in a single Web page (i.e., Applicants' integrated page) for displaying to the user.

- *transmitting the integrated user interface having the copy function to the client.*
(Lowery, col.4, lines 25-31; col.6, lines 20-48)

Lowery discloses, *"page server 404 (2) dynamically generates a Web page I response to the Web client request, and the dynamic Web page is then either transmitted back to requesting Web client 200 or stored on a machine that is accessible to the Web server 201, for later retrieval"* (Lowery, col.6, lines 27-31). Hence, Lowery teaches of retrieving (i.e., Applicants' copying) the data specified from the tags of the HTML template from the multiple sources including databases, spreadsheets, files, etc. and incorporating them into a single Web page and transmitting the resulting web page the requesting client.

However, Lowery does not explicitly disclose,

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- *assigning a copy function for copying common data from the user interface information transferred from one of the plurality of servers to others of the user interface information from other servers to thereby create an integrated user interface as a single integrated page consisting of the user interface information from the servers and the integrated user interface having copy function; and*
- *transmitting the integrated user interface having the copy function to the client.*

Nielsen teaches,

- *assigning a copy function for copying common data from the user interface information transferred from one of the plurality of servers to others of the user interface information from other servers to thereby create an integrated user interface as a single integrated page consisting of the user interface information from the servers and the integrated user interface having copy function; and*
(Nielsen, col.1, line 7 – col.8, line 62)

Nielsen discloses, “code that retrieves a selected hypertext page of a structured document, the hypertext page being an HTML file; code that automatically develops information showing a context of said selected hypertext page within said structured document, including code that extracts information identifying a parent of said selected hypertext page from a selected tag within said selected hypertext page and code that removes said selected tag from said selected hypertext page; and” (Nielsen, col.7, line 60 – col.8, line 5). Nielsen discloses, “a system is provided for retrieving a selected page of a structured document and for automatically developing context information about the selected page. This context information may include a table of contents showing the location of the selected hypertext page in relationship to other hypertext pages. In one

embodiment, this context information is inserted into the hypertext page. The so-modified hypertext page may then be transmitted to a remote location for display a system is provided for retrieving a selected page of a structured document and for automatically developing context information about the selected page. This context information may include a table of contents showing the location of the selected hypertext page in relationship to other hypertext pages. In one embodiment, this context information is inserted into the hypertext page. The so-modified hypertext page may then be transmitted to a remote location for display" (Nielsen, col.1, lines 48-56). Hence, Nielsen teaches of providing code (i.e., Applicants' function) for extracting information identifying a parent of said selected hypertext page (i.e., Applicants' common data from the user interface information), inserting this extracted information into the hypertext page (i.e., Applicants' creating an integrated user interface), and transmitting the modified hypertext page to the requested client.

- *transmitting the integrated user interface having the copy function to the client.* (Nielsen, col.1, line 7 – col.8, line 62)

Nielsen discloses, "a system is provided for retrieving a selected page of a structured document and for automatically developing context information about the selected page. This context information may include a table of contents showing the location of the selected hypertext page in relationship to other hypertext pages. In one embodiment, this context information is inserted into the hypertext page. The so-modified hypertext page may then be transmitted to a remote location for display a system is provided for retrieving a selected page of a structured document and for automatically developing context information

about the selected page. This context information may include a table of contents showing the location of the selected hypertext page in relationship to other hypertext pages. In one embodiment, this context information is inserted into the hypertext page. The so-modified hypertext page may then be transmitted to a remote location for display” (Nielsen, col.1, lines 48-56). Hence, Nielsen teaches of providing code (i.e., Applicants’ function) for extracting information identifying a parent of said selected hypertext page (i.e., Applicants’ common data from the user interface information), inserting this extracted information into the hypertext page (i.e., Applicants’ creating an integrated user interface), and transmitting the modified hypertext page to the requested client.

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine the teachings of Nielsen with the teachings of Lowery to provide a system *“for retrieving a selected page of a structured document and for automatically developing context information about the selected page... In one embodiment, this context information is inserted into the hypertext page. The so-modified hypertext page may then be transmitted to a remote location for display”* (Nielsen, col.1, lines 48-56). In addition, according to Nielsen, *“it is desirable however to display context information for very large structured documents including many pages and to particularize the context information for each page. It is also desirable that the context information be more detailed than a simple list of the major divisions of the structured document”* (Nielsen, col.1, lines 28-33).

5. With regard to claims 16-17, Lowery and Nielsen disclose,

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- *wherein the client comprises a WWW browser, the plurality of servers comprise WWW application servers, the user interfaces provided by the respective servers comprise pages provided by the WWW application servers, and the integrated user interface composes an integrated page which integrates the pages from the servers. (Lowery, col.2, lines 15-34; col.3, line 64 – col.4, line 1; col.4, lines 25-31; col.5, lines 37-47; col.6, lines 20-48; Nielsen, col.1, line 7 – col.8, line 62)*
- *the WWW browser, and the servers are interconnected by a local area network (Lowery, col.2, lines 15-34; col.3, line 64 – col.4, line 1; col.4, lines 25-31; col.5, lines 37-47; col.6, lines 20-48; Nielsen, col.1, line 7 – col.8, line 62)*

6. With regard to claims 18-21, Lowery and Nielsen disclose,

- *wherein the copy data information includes an "OUT" type indicating common data of a user interface as a copy source and an "IN" type indicating common data of a user interface as a copy destination. (Lowery, col.2, lines 15-34; col.3, line 64 – col.4, line 1; col.4, lines 25-31; col.5, lines 37-47; col.6, lines 20-48; Nielsen, col.1, line 7 – col.8, line 62)*
- *wherein the copy data information further includes an "IN/OUT" type indicating common data of one user interface as a copy destination and, with respect to another user interface, the common data of said another user interface as a copy source when the common data is modified at said one user interface. (Lowery, col.2, lines 15-34; col.3, line 64 – col.4, line 1; col.4, lines 25-31; col.5, lines 37-47; col.6, lines 20-48; Nielsen, col.1, line 7 – col.8, line 62)*
- *wherein the copy data information includes an "OUT" type indicating common data of a user interface as a copy source and an "IN" type indicating common*

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data of a user interface as a copy destination. (Lowery, col.2, lines 15-34; col.3, line 64 – col.4, line 1; col.4, lines 25-31; col.5, lines 37-47; col.6, lines 20-48; Nielsen, col.1, line 7 – col.8, line 62)

- *wherein the copy data information further includes an "IN/OUT" type indicating a common data of one user interface as a copy destination and, with respect to another user interface, the common data of said another user interface as a copy source when the common data is modified at said one user interface. (Lowery, col.2, lines 15-34; col.3, line 64 – col.4, line 1; col.4, lines 25-31; col.5, lines 37-47; col.6, lines 20-48; Nielsen, col.1, line 7 – col.8, line 62)*

Response to Arguments

7. Applicants' arguments with respect to *claims 12-15 and 22* have been considered but they are not persuasive.

8. With regard to *claims 12-15 and 22*, the Applicants point out that:

- *The page requests handled by Lowery do not request integrated pages that are specified in accordance with configuration page data that specifies pages to be fetched for the integrated page.*

However, the Examiner finds that the Applicants' arguments are not persuasive because the Applicants admitted, "[in] contrast, the Lowery reference, as well as all the other references cited by the Examiner, appear to teach only display of *integrated web pages*" in the Remarks of the Amendment filed on October 14, 2005.

9. With regard to *claims 12-15 and 22*, the Applicants point out that:

- *The page requests handled by Lowery do not request integrated pages that are specified in accordance with configuration page data that specifies pages to be fetched for the integrated page.*

However, the Examiner finds that the Applicants' arguments are not persuasive because Lowery discloses, *"the page server receiving the request and releasing the Web server to process other requests, processing the request, the processing being performed by the page server concurrently with the Web server, as the Web server processes the other requests, and dynamically generating a Web page in response to the request, the Web page including data dynamically retrieved from one or more data sources"* (Lowery, col.2, lines 24-31). Hence, Lowery teaches of the page server receiving and processing the request from the web client 200 (i.e., Applicants' client) for a Web page that includes dynamically retrieved data from one or more data sources (i.e., Applicants' integrated page). Lowery discloses, *"it processes the request and retrieves the data from an appropriate data source, such as data source 406, data source 408, or data source 410. Data sources, as used in the present application, include databases, spreadsheets, files and any other repository. Page server 404 can retrieve data from more than one data source and incorporate the data from these multiple data sources in a single Web page"* (Lowery, col.5, lines 40-47). Hence, Lowery teaches of the page server retrieving the appropriate data from multiple sources including databases, spreadsheets, files and any other type of data repository (i.e., Applicants' information in accordance with configuration page data that specifies pages to be fetched) and incorporating the retrieved data from these multiple data sources in a single Web page (i.e., Applicants' integrated page) for displaying to the user. In addition, Lowery discloses, *"one embodiment of the*

claimed invention also provides a Web page designer with HTML extensions, or 'dyna' tags. These dyna tags provide customized HTML functionality to a Web page designer, to allow the designer to build customized HTML templates that specify the source and placement of retrieved data. For example, in one embodiment, a 'dynatext' HTML extension tag specifies a data source and a column name to allow the HTML template to identify the data source to log into and the column name from which to retrieve data. Alternatively, 'dyna-anchor' tags allow the designer to build hyperlink queries while 'dynablock' tags provide the designer with the ability to iterate through blocks of data" (Lowery, col.6, lines 32-44). Hence, Lowery teaches of providing extension tags to build HTML templates specifying the retrieval source, the data to be retrieved, and as well as specifying the placement of the retrieved data.

10. With regard to claims 12-15 and 22, the Applicants point out that:

- *The program generated by Hayashi has nothing to do with integrated pages.*

Therefore, no combination of the references could provide the claimed invention recited in the independent claims (claims 12, 13, 14, 15, 22).

However, the Applicants' arguments are moot in view of the new ground(s) of rejection.

Conclusion

11. **THIS ACTION IS MADE FINAL.** See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE


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MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thomas Duong whose telephone number is 571/272-3911. The examiner can normally be reached on M-F 7:30AM - 4:00PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jason D. Cardone can be reached on 571/272-3933. The fax phone numbers for the organization where this application or proceeding is assigned are 571/273-8300 for regular communications and 571/273-8300 for After Final communications.

Thomas Duong (AU2145)

May 10, 2007



ANDREW CALDWELL
SUPERVISORY PATENT EXAMINER